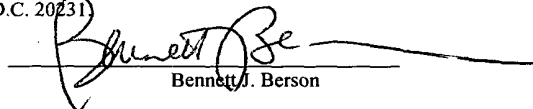


#3

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date set forth below as First Class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231

Date of Signature and Deposit: October 8, 2001

  
Bennett J. Berson

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Greenspan, et al.

Date: October 8, 2001

Serial No.: 09/942,366

Group Art Unit:

Filed: August 29, 2001

Examiner:

For: MAMMALIAN TOLLOID-LIKE GENE AND PROTEIN

File No.: 960296.98351

INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents  
Washington DC 20231

Dear Sir:

Enclosed is a completed Form PTO-1449 listing documents which the applicant in the above-identified application wishes to bring to the attention of the Examiner for consideration in connection with the examination on the merits of this application.

This application is a divisional of U.S. Application Serial No. 09/240,473, filed February 1, 1999 issued October 2, 2001 as Patent No. 6,297,011, which was a continuation of U.S. Application Serial No. 08/866,650 filed May 30, 1997 issued August 17, 1999 as Patent No. 5,939,321, which claimed benefit of Provisional Application No. 60/018,684 filed May 30, 1996. All documents listed on the enclosed Form PTO-1449 were previously submitted to, or cited by, the Office in the above-related cases. Pursuant to 1.98(d), copies of documents are not included herein.

No fee is believed due in connection with this submission. However, should any fee be due, please charge the fee to Deposit Account No. 17-0055.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Bennett J. Berson', written over a horizontal line.

Bennett J. Berson

Reg. No. 37,094

Attorney for Applicants

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TEL 608/251-5000

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Form PTO-1449  
(Rev. 2-88)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. NO.

960206.98351

SERIAL NO.

09/942,366

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S):

Greenspan/Takahara/Hoffman

FILING DATE:

08/29/01

GROUP

1643

## U.S. PATENT DOCUMENTS

* EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

RECEIVED

OCT 15 2001

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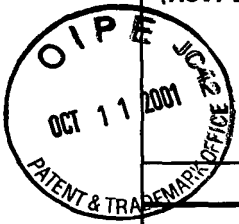
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

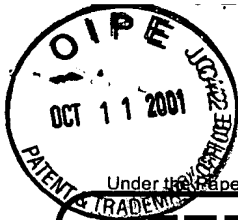
		Bond, Judith S. et al., "The Astacin Family of Metalloendopeptidases," <u>Protein Science</u> , 4:1247-1261 (1995).
		Crystal, Ronald, <u>Science</u> , 270: 404-409 (1995).
		Greenspan, D.S., "Mus Musculus Mammalian Tolloid-like Protein mRNA", Genbank Accession Number U34042 (1996).
		Johnson, George, "The Chicken with the Duck's Feet: It's All in the Biochemical Signal," <u>The New York Times Science</u> (5/21/96).
		Kessler, Efrat, et al., "Bone Morphogenetic Protein-1: Type 1 Procollagen C-Proteinase", <u>Science</u> , 271: 360-362 (1996).
		Mastrangelo et al., <u>Seminars in Oncology</u> , 23(1): 4-21 (1996).
		Takahara, Kazuhiko, et al., "Bone Morphogenetic Protein-1 and a Mammalian Tolloid Homologue (mTld) Are Encoded by Alternatively Spliced Transcripts Which Are Differentially Expressed in Some Tissues, <u>The Journal of Biological Chemistry</u> , 269(51): 32572-32578 (1994).
		Takahara, Kazuhiko et al., "Structural Organization and Genetic Localization of the Human Bone Morphogenetic Protein 1/Mammalian Tolloid Gene", <u>Genomics</u> , 29(1): 9-15 (1995).
		Takahara, Kazuhiko et al., "Characterization of a Novel Gene Product (Mammalian Tolloid-Like) with High Sequence Similarity to the Mammalian Tolloid/Bone Morphogenetic Protein-1", <u>Genomics</u> , 34(2): 157-165 (1996).
		Ngo, et al., "The Protein Folding Problem and Tertiary Structure Prediction", Merz et al. (Ed.), Birkhauser, Boston, MA, 433, 492-495 (1994).

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if a citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. QBMA/314823.1





1643

PTO/SB/17 (10-01)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ ) 0.00

## Complete if Known

Application Number	09/942,366
Filing Date	August 29, 2001
First Named Inventor	Daniel S. Greenspan
Examiner Name	
Group Art Unit	
Attorney Docket No.	960296.98351

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 17-0055  
Deposit Account Name: Quarles & Brady LLP

- ☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$ )

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent Claims	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ )

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 920	217 460	Extension for reply within third month	
118 1,440	218 720	Extension for reply within fourth month	
128 1,960	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 460	243 230	Design issue fee	
144 620	244 310	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ )

## SUBMITTED BY

Name (Print/Type): Bennett J. Berson

Registration No. (Attorney/Agent): 37,094

## Complete (if applicable)

Telephone: 608-251-5000

Signature: [Signature]

Date: October 8, 2001

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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.